

THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF : Claude Couture, et al.
FOR : **CROSSLINKED POLYSACCHARIDE,
OBTAINED BY CROSSLINKING WITH
SUBSTITUTED POLYETHYLENE GLYCOL, AS
SUPRABSORBANT**
SERIAL NO. : 10/044,846
FILED : **November 09, 2001**
ART UNIT : 1617
LAST OFFICE ACTION : February 20, 2002
ATTORNEY DOCKET NO. : CLW 2 0148

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INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicants submit the following Disclosure Statement concerning art of which the applicant are aware. This Disclosure Statement shall not be construed as a representation that a search has been made. Further, this Disclosure Statement shall not be construed to be an admission that the information cited in the Disclosure Statement is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b). A copy of PTO-1449 is enclosed herewith.

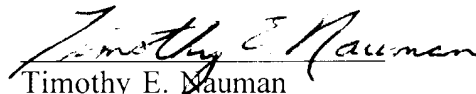
Under Rule 98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, an English Abstract of EP 0714913 noted in the Search Report is enclosed, as well as a copy of the corresponding DE 4442605 A1.

Under Rule 97(b)(3), this information disclosure statement is being filed before the mailing date of a first Office Action on the merits and accordingly no fee is necessary.

Several of the documents cited were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. A copy of the Search Report for PCT/CA 01/01611 is attached hereto.

Respectfully submitted,

FAY, SHARPE, FAGAN,
MINNICH & McKEE, LLP


Timothy E. Mauman

Reg. No. 32,283

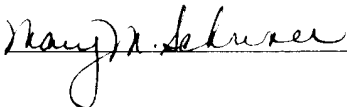
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Subst. Form PTO-1449

Atty. Docket No.: CLW 2 0148

Serial No.: 10/044,846

APPLICANT'S INFORMATION
DISCLOSURE STATEMENT

Applicant: Claude Couture, et al.

Filing Date: November 9, 2001

Group: 1617

U.S. PATENT DOCUMENTS

Initial		Document No.	Date	Name	Class	Subcl	Filing Date
	AA	5,079,354	Jan. 07, 1992	Gross, et al.			
	AB	4,117,222	Sep. 26, 1978	Holst, et al.			
	AC	4,237,271	Dec. 02, 1980	Rayford, et al.			
	AD	4,029,590	June 14, 1977	Finley			
	AE	3,941,771	Mar. 02, 1976	Finley			
	AF	5,789,570	Aug. 04, 1998	Buchholz, et al.			
	AG	2,461,139	Feb. 08, 1949	Caldwell			
	AH	5,360,903	Nov. 01, 1994	Lane, et al.			
	AI	6,063,914	May 16, 2000	Wolf, et al.			
	AJ	2,148,951	Feb. 28, 1939	Maxwell			
	AK	2,383,091	Aug. 21, 1945	Toussaint, et al.			
	AL	3,753,931	Aug. 21, 1973	Raspanti			

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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subcl	Translation?
	AM	WO 95/31500	23 Nov. 1995	PCT			
	AN	WO 00/21581	20 April 2000	PCT			
	AO	WO 00/35504	22 June 2000	PCT			
	AP	WO 97/15367	01 May 1997	PCT			
	AQ	WO 00/67809	16 Nov. 2000	PCT			
	AR	GB 1,508,511	29 April 1978	Great Britain			
	AS	EP 0714913 (DE 4442605 A1)	05 June 2996	EP (DE)			

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* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if in conformance and not considered. Include copy of this form with next communication to applicant.

Subst. Form PTO-1449	Atty. Docket No.: CLW 2 0148	Serial No.: 10/044,846
APPLICANT'S INFORMATION DISCLOSURE STATEMENT	Applicant: Claude Couture, et al.	
	Filing Date: November 9, 2001	Group: 1617

OTHER ART

BA	Riccardo Po, <u>Water-Absorbent Polymers: a patent survey</u> , <u>J. Macromol. Sci., Rev. Macromol. Chem. Phys.</u> , 1994, pp. 607-662.
BB	Buchholz, et al., ed., <u>Modern Superabsorbent Polymer Technology</u> , Wiley-VCH, Toronto, 1998, pp. 239-241
BC	Anbergen, et al., <u>Elasticity and swelling behaviour of chemically crosslinked cellulose ethers in aqueous systems</u> , <u>Polymer</u> , v. 31, October 1990, pp. 1854-1858.
BD	Fusako Kawai, <u>The biochemistry of Degradation of Polyethers</u> , <u>Crit. Rev. Biotech</u> , v.6, Issue 3, 1987, pp. 273-307.
BE	Matsumura, et al., <u>Microbial transformation of poly(ethylene glycol)s into mono- and dicarboxylic derivatives by specific oxidation of hydromethyl groups</u> , <u>Makromol. Chem. Rapid Comm.</u> , No. 20, 1989, pp. 63-67.
BF	U.S. Environmental Protection Agency (EPA) Prevention, Pesticides, and Toxic Substances (7101), <u>Fate, transport and transformation test guidelines (OPPTS 835.3200 Zahn-Wellens/EMPA test)</u> , EPA712-C-98-084, January 1998.
BG	Rayford, et al., <u>Crosslinked cationic and anionic starches: preparation and use in heavy metal removal</u> , <u>Starch/Stärke</u> , No. 31, 1979, pp. 361-365.
BH	Robert E. Wing, <u>Starch Citrate: preparation and ion exchange properties</u> , <u>Starch/Stärke</u> , No. 48, 1996, pp. 275-279.
BI	Wepner, et al., <u>Citrate Starch - application as a resistant starch in different food system</u> , <u>Starch/Stärke</u> , No. 51, 1999, pp. 354-361.
BJ	Tijssen, et al., <u>An experimental study on the carboxymethylation of granular potato starch in non-aqueous media</u> , <u>Carbohydrate Polymers</u> , Elsevier Science Ltd., No. 45, 2001, pp. 219-226.
BK	Trimnell, et al., <u>Preparation of starch 2-hydroxy-3-mercaptopropyl ethers and their use in graft polymerizations</u> , <u>Journal of Applied Polymer Science</u> , v. 22, 1978, pp. 3579-3586.
BL	Zhu, et al., <u>Crosslinked quaternary ammonium cornstarch matrix for slow release of carboxylic groups - containing herbicides</u> , <u>Starch/Stärke</u> , No. 52, 2000, pp. 58-63.
BM	EDANA, <u>Recommended Test Method: Superabsorbent material - polyacrylate superabsorbent powders - Centrifuge retention in capacity in saline by gravimetric determination</u> , 441.1-99, February 1999.

Examiner:

Date Considered:

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